

ABSTRACT

A method of manufacturing a thin film magnetic head capable of improving a yield while making a pole width extremely minute with high precision is provided. A write gap layer and a bottom pole are selectively etched in a region other than a portion corresponding to a front end part through the RIE with the front end part having an extremely minute uniform width as a mask in an atmosphere of gas including at least chlorine out of chlorine and boron trichloride and at an ambient temperature within a range of 30°C to 300°C. The width (pole width) of a pole portion can be made uniform with high precision along a length direction so that the yield of the thin film magnetic head can be improved.

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